

FIG. 1

FIG.1

Bactlog #	Source	Dog/Cat	Breed	Age	Sex	Tooth sampled	Pocket depth	Gingivitis index	Pigment	Hemolysis				Vanc				Col				Indole	Lipase	Lecith	Catalase	Genus/species by 16S rRNA sequence
										Kan	Hemolysis	Kan	R	R	S	R	R	R	R	R	R					
B0078	VHUP4A	D	ND	5	F	ULP4	5	3	2	yellow	Y	S	R	R	R	R	R	R	R	N	N	Y	N	N	Bacteroides denticanoris	
B0079	VHUP4B	D	ND	5	F	ULP4	5	3	2	Blk	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Tannerella forsythensis	
B0080	VHUP4C	D	ND	5	F	ULP4	5	3	2	yellow	Y	S	S	S	S	S	R	N	N	N	N	Y	N	N	Bacteroides denticanoris	
B0083	VHUP4F	D	ND	5	F	ULP4	5	3	2	yellow	N	R	S	S	S	S	R	N	N	N	N	Y	N	N	Bacteroides denticanoris	
B0153	TH4Bd	D	ND	ND	M	LM1	4	ND	ND	bm	N	R	R	S	R	S	R	N	N	N	Y	N	P	N	Tannerella forsythensis	
B0222	TH11aA	D	ND	ND	F	RM1	4	ND	ND	blk	Y	R	R	R	R	R	R	N	N	N	Y	N	N	N	Porphyromonas levii	
B0225	TH11aD	D	ND	ND	F	RM1	4	ND	ND	blk	N	R	R	R	R	R	R	N	N	N	Y	N	N	N	Porphyromonas levii	
B0235	TH12aB	D	ND	ND	F	RPM4	4	ND	ND	yellow	N	R	R	R	R	R	R	N	N	N	N	Y	N	N	Tannerella forsythensis	
B0241	TH12bB	D	ND	ND	F	ULPM4	4	ND	ND	wht	N	S	S	S	S	S	R	P	N	N	N	N	N	N	Bacteroides denticanoris	
B0242	TH 12bC	D	ND	ND	F	ULPM4	4	ND	ND	bm	N	R	R	R	R	R	S	P	N	N	Y	N	N	N	Bacteroides denticanoris	
B0256	DAH39C	D	ND	ND	M	LRM1	6	2	2	Blk	N	R	R	R	R	R	R	N	N	N	N	N	N	N	N	Porphyromonas levii
B0342	VHUP6A	D	SCOT	7.5	M	LM1	5	3	2	yellow	N	S	R	S	R	S	P	N	N	N	N	N	N	N	N	Bacteroides denticanoris
B0343-24	VHUP6B	D	SCOT	7.5	M	LM1	5	3	2	lt bm	N	R	S	R	S	R	P	N	N	N	Y	N	N	N	N	Tannerella forsythensis
B346	VHUP6E	D	SCOT	7.5	M	LM1	5	3	2	bm	N	R	S	S	S	S	N	N	N	N	Y	Y	P	N	N	Tannerella forsythensis
B0458	UCD7D	D	POOD	8	F	URCAN	ND	ND	ND	yellow	N	R	S	R	S	R	P	N	N	N	N	N	N	N	N	Bacteroides denticanoris
B0473	UCD10A	D	WHWT	10	M	URP4	3	2	2	wht	N	R	R	R	R	S	P	N	N	ND	ND	ND	N	N	N	Bacteroides denticanoris
B0474	UCD10B	D	WHWT	10	M	URP4	3	2	2	wyel	N	R	R	ND	S	S	P	N	N	ND	ND	ND	N	N	N	Bacteroides denticanoris
B0476	UCD10D	D	WHWT	10	M	URP4	3	2	2	wht	N	R	R	R	R	R	P	N	N	ND	ND	ND	N	N	N	Bacteroides denticanoris

ND = Not Determined

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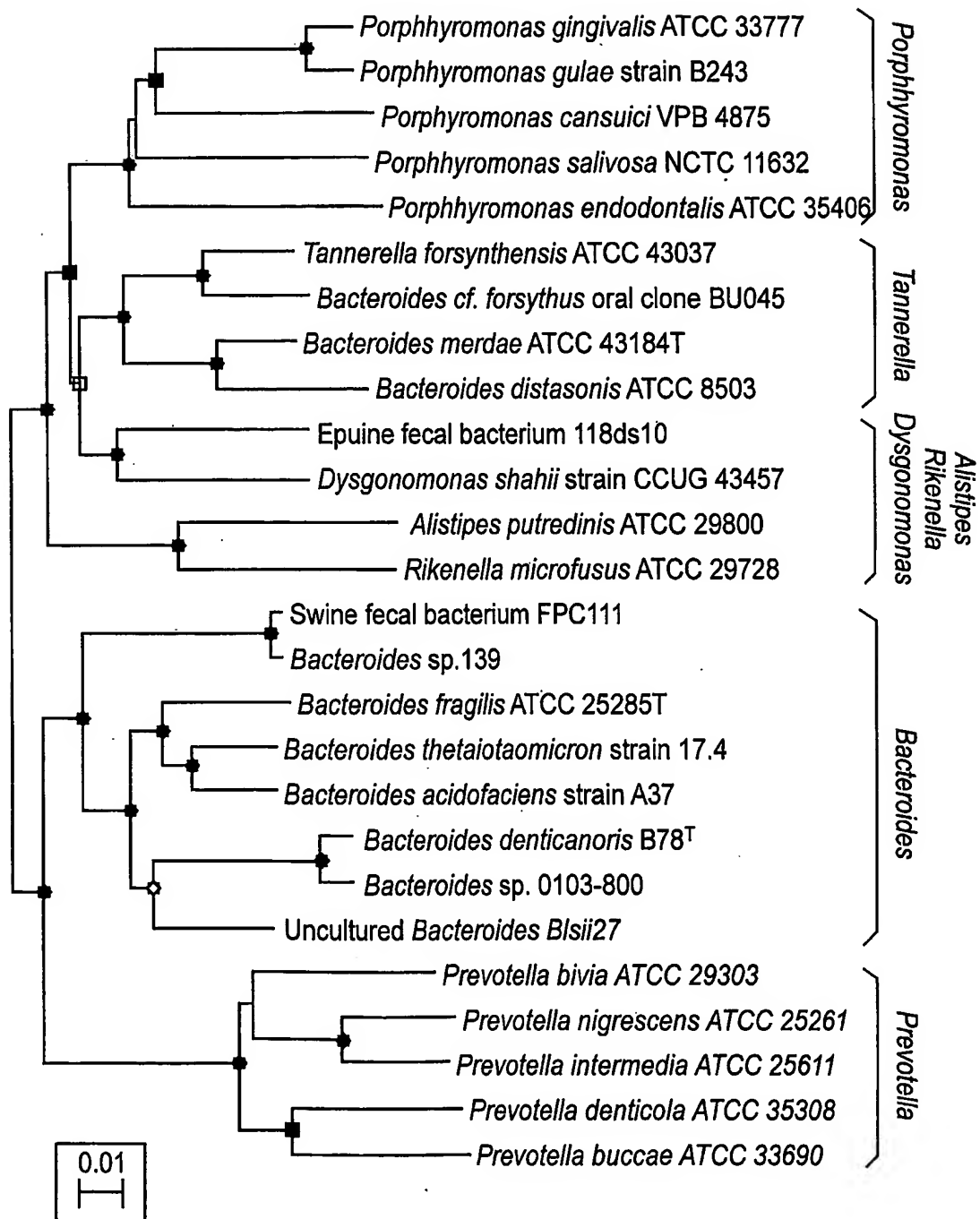
FIG.2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Bacteria	URE	BLTS	$\alpha$ ARA	ONPG	$\alpha$ GLU	$\beta$ GLU	$\alpha$ GAL	$\alpha$ FUC	NAG	PO <sub>4</sub>	LGY	GLY	PRO	PAL	ARG	SER	PYR	IND
<i>B. denticanoris</i> B78 <sup>†</sup>	N	N	N	P	P	N	N	P	P	P	P	N	N	N	N	N	N	N
<i>Porphyromonas gingivalls</i> ATCC 33277	N	N	N	N	N	N	N	N	P	P	P	N	N	N	P	N	N	P
<i>Prevotella Intermedia</i> ATCC 25611	N	N	N	N	P	N	N	N	N	P	P	N	N	N	P	N	N	P
<i>Tannerella forsythensis</i> ATCC 43037	N	N	N	P	P	P	N	P	P	P	P	N	N	P	P	N	N	N
<i>Baderoides thetalotomicron</i> ATCC 29148	N	N	N	P	P	V	P	P	P	P	P	N	N	P	P	N	N	P
<i>Baderoides fragilis</i> ATCC 25285	N	P	N	P	P	P	P	P	P	P	P	N	N	P	P	N	N	N
<i>Baderoides splanchnicus</i> ATCC 29572	N	N	N	N	N	N	P	P	P	V	P	N	N	N	V	N	P	P

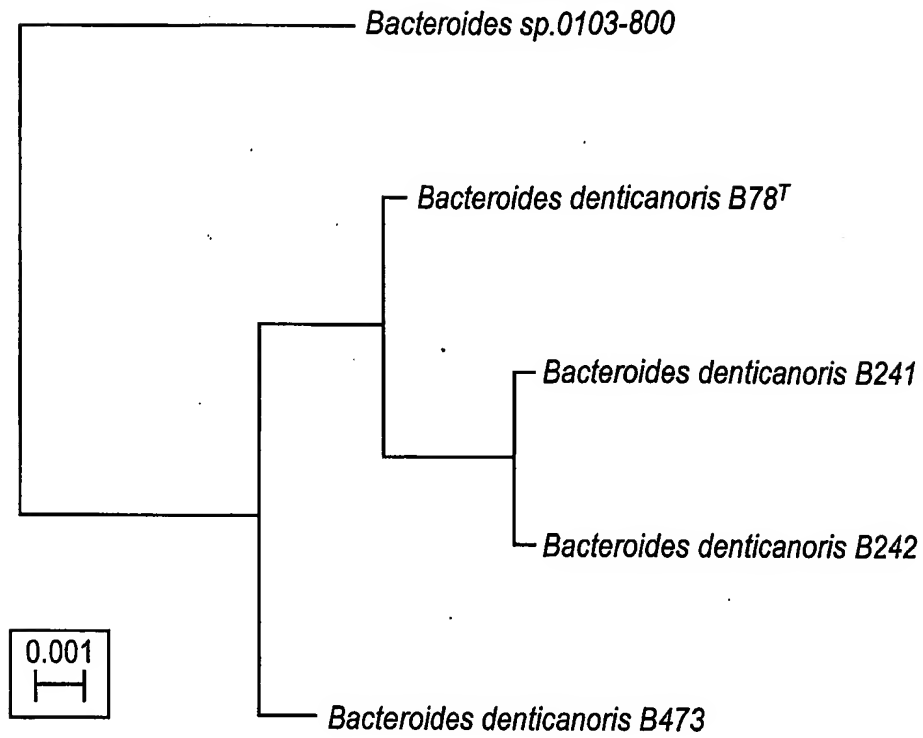
<sup>†</sup>Reactive Ingredients in each test: URE, Urea; BLTS, p-nitrophenyl- $\beta$ , D-dissecharide;  $\alpha$ ARA, p-nitrophenyl- $\alpha$ , L-arabinoside; ONPG, o-nitrophenyl- $\beta$ , D-galactoside;  $\alpha$ GLU, p-nitrophenyl- $\alpha$ , D-glucoside; BGLU, p-nitrophenyl- $\beta$ , D-glucoside;  $\alpha$ GAL, p-nitrophenyl- $\alpha$ , D-galactoside;  $\alpha$ FUC, p-nitrophenyl- $\alpha$ , L-fucoside; NAG, p-nitrophenyl-n-acetyl- $\beta$ , D-glucosaminide; PO<sub>4</sub>, p-nitrophenylphosphate; LGY, Leucyl-glycine- $\beta$ -naphthylamide; GLY, Glycine- $\beta$ -naphthylamide; PRO, Proline- $\beta$ -naphthylamide; PAL, Phenylalanine- $\beta$ -naphthylamide; ARG, Arginine- $\beta$ -naphthylamide; SER, Serine- $\beta$ -naphthylamide; PYR, Pyrrolidonyl- $\beta$ -naphthylamide, and IND, Tryptophan.

<sup>†</sup>Abbreviations: P, positive; N, negative; V, variable.

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**FIG. 3**

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**FIG. 4****FIG. 5**